PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:
MARK ANDREW HARMER ET AL.

CASE NO.: CR9461 US DIV5 APPLICATION NO.: UNKNOWN

CONFIRMATION NO.: 7890 (PARENT) GROUP ART UNIT: 1621 (PARENT)

EXAMINER: JAFAR F. PARSA FILED: CONCURRENTLY HEREWITH

FOR: SOL-GEL DERIVED POROUS MICROCOMPOSITE OF PERFLUORINATED ION-EXCHANGE POLYMER AND METAL OXIDE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08A . A copy of the information is also enclosed.

Benefit of the earlier filing date of U.S. Patent Application 10/322,786, filed December 18, 2002 is claimed under 35 U.S.C. 120 for the above-referenced application and only copies of information not previously made of record in the parent are enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

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Dated: October 7, 2003

Enclosures

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	Unknown
Filing Date	October 7, 2003
First Named Inventor	Mark Andrew Harmer et al.
Group Art Unit	1621
Examiner Name	Jafar F. Parsa
Attorney Docket Number	CR9461 US DIV5

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code[2] (if known)				
		US -	5,252,654	10-12-93	David et al.	
		US -	5,094,955	3-10-92	Butt et al.	
		US -	4,038,213	7-26-77	McClure et al.	
		US -	3,506,635	4-14-70	Anderson	
		US -	4,791,081	12-13-88	Childress et al.	
		US -	4,056,578	11-1-77	McClure et al.	
		US -	4,414,409	11-8-83	Waller	
		US -	4,433,082	2-21-84	Grot	
		US -	5,086,085	2-4-92	Pekala	
		US -	4,041,090	8-9-77	McClure	
		US -	4,065,515	12-27-77	McClure et al.	
		US -				
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		US -				
		US -				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
		CountryCode[3]	Number[4]	Kind Code[5] (if known)				
		EP	0503688		9-16-92	The Dow Chemical Co.		☐
		EP	0367408		5-9-99	Texaco Development		☐
		EP	0324080		7-19-89	General Electric Co.		☐
		FR	1248426		12-7-60	Pittsburg Coke & Chemical		☐
		EP	0338309		10-25-89	Bayer AG		☐
		EP	0288295		10-26-88	BP Chemicals Limited		☐
								☐
								☐
								☐

Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the tow-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols asindicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 2

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Group Art Unit	1621
Examiner Name	Jafar F. Parsa
Attorney Docket Number	CR9461 US DIV5

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		Mauritz, K. A. et al., Polym. Mater. Sci. Eng., 58, 1079-1082, 1988	☐
		Olah, G. A. et al., Synthesis, 513-531, 1986	☐
		Waller, F. J., Catal. Rev.-Sci. Eng., 1-12, 1986	☐
		Weaver, J.D. et al., Catalysis Today, 14, 195-210, 1992	☐
		Mauritz, K.A. et al., Multiphase Polymers: Blends and Ionomers, American Chemical Society, 401-417, Chapter 16, 1989	☐
		Waller, F. J. et al. Chemtech, 438-441 (July 1987)	☐
		Waller, F. J., In Polymeric Reagents and Catalysts, Ford, W.T. (Ed.), Chap. 3, ACS Symposium Series 308, ACS, Washington, DC (1986)	☐
		Martin, C.R. et al., Anal. Chem. 54, 1639-1641 (1982)	☐
			☐
			☐
			☐

Examiner Signature		Date Considered	

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